

HYBRID FIBEROPTIC ELEVATOR CABLE

4 SM Fiber + 10 Core Copper Cable

DESCRIPTION

Netcon Hybrid Flat Elevator Cable with 4 F Single-Mode Fiber Optic + 10 Core 1.5 sq.mm (16 AWG) Multistrand Copper Power Cable - designed for high-rise, smart elevator.

APPLICATIONS

The Netcon Hybrid Flat Elevator Cable is engineered for integrated power + data transmission in modern vertical mobility systems. Its compact, flexible, and rugged design makes it ideal for:

1. High-Rise Elevators
2. Modern Smart Elevator Systems
3. Intelligent Control & Communication
4. Industrial & Commercial Vertical Transport

PRODUCT OVERVIEW

CableType:

Flat ribbon cable.

Fiber Optic Component:

Single-mode,4-core fiber optic cable.

Power Component:

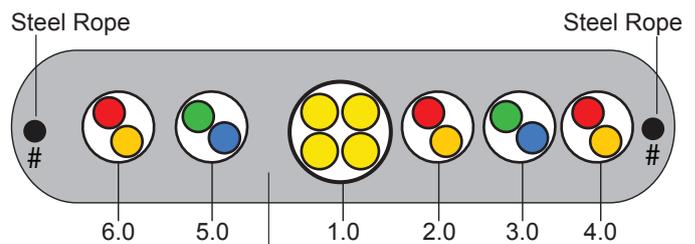
4-core, 1.5 Sq. mm (16 Awg) Copper Cable.

APPLICATION

Specifically designed for high-rise elevator



Hybrid Fiber Optic Elevator Cable



1.0: 4 Fibre Single mode, Blue, Orange, Green, Natural PBT Loose tube with thixotropic jelly and PVC insulation OD- 5.0 mm (\pm 0.20).

2.0, 3.0, 4.0, 5.0, 6.0: Flexible bare copper conductor with PVC Insulated 2 core x 16 AWG Control wire number marking, twisting with polyester tape wrapping

7.0: Outer PVC Jacket (Approx. Diameter: 33.50 x 8.50 mm)

KEY FEATURES

Efficient Space Utilization:

The flat design allows the cable to fit in narrow spaces, ideal for elevator shafts where space is limited.

Data Transmission:

The single-mode fiber optic cores ensure long-distance, high-speed data communication, critical for modern elevator control systems.

Power Supply:

The 1.5 Sq.mm (16AWG) Copper cores provide sufficient power to elevator systems, supporting essential functions like lighting, communication, and control systems.

High Durability:

Designed to withstand the mechanical stresses typical in elevator applications, such as frequent bending and movement within the shaft.

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TECHNICAL SPECIFICATIONS

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General Properties

Coax	Grey
Core	Black, white numbered, G = with green-yellow core(s)
Pair/quad	Various colours or black with white numbers
Operating temperature	-15 °C - +70 °C
Outer sheath colour	Grey
Outer sheath material	PVC

Electrical Properties

Rated voltage Uo/U	According to table
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Mechanical Properties

Acceleration	1.2 m/s ²
Maximum free suspension	100 m
Maximum running speed	6.0 m/s
Maximum travelling height	250 m
Recommended loop diameter	According to table, tolerance -50/+100 mm

Ordering Information

Part No	
NTL4FXXCXXP	Netcon high raise flat lift traveling cable with 4C SM fiber + 10 Core1.5sq mm (16 AWG) copper cable + Supporting steel cable.

Notes: NTL4F - XX- number of core- C - XX- Cable size - P- PVC / L- LSZH